

Lloyd WOLFINBARGER
Appln. No. 08/646,519

Claim 11, line 1, delete "anyone of claims 9 or 10" and insert —claim 10—.

Claim 12, line 2, delete "anyone of claims 9 or 10" and insert —claim 10—.

N.E. Claim 15, after "sonicating" insert —at a temperature from 37° to 50° C—.

Please cancel claims 2, 5 and 13, without prejudice or disclaimer.

Please add the following new claims.

~~23~~ 27. A method for producing an essentially intact bone graft suitable for transplantation into a human, comprising:

sonicating said bone graft with a solvent comprising one or more detergents in an ultrasonic cleaner at a temperature and for a time period effective to produce a cleaned bone graft essentially free from bone marrow, and

inducing a pressure mediated flow of said solvent through an opening in a bone shaft of said essentially intact bone graft wherein said pressure mediated flow is carried out for a period of time effective to produce a cleaned bone graft essentially free from bone marrow, and

wherein said step of sonicating and said step of inducing are carried out simultaneously.

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28. A method for producing a bone graft suitable for transplantation into a human, comprising:

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sonicating said bone graft using an ultrasonic cleaning device with a first solvent comprising one or more detergents to produce a first cleaned bone graft;

D ^{sonicating} ~~Sonicating~~ said first cleaned bone graft using an ultrasonic cleaning device with a second solvent comprising one or more members selected ^{from} ~~from~~ the group consisting of: an antibiotic, an antimycotic and an antiviral agent, to produce a second cleaned bone graft, and

A' sonicating said second cleaned bone graft using an ultrasonic cleaning device with a third solvent comprising one or more decontaminating agents to produce a third cleaned bone graft, wherein said third cleaned bone graft is essentially free from bone marrow.

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29. A method for producing a bone graft suitable for transplantation into a human, comprising:

sonicating said bone graft using an ultrasonic cleaning device with a first solvent comprising one or more detergents to produce a first cleaned bone graft;

agitating said first cleaned bone graft with a second solvent comprising one or more members selected from the group consisting of : an antibiotic, an antimycotic and an antiviral agent, to produce a second cleaned bone graft; and